

Atty. Dkt. No. 1126

COMBINED DECLARATION AND POWER OF ATTORNEY**As a below named inventor, I hereby declare that:****This declaration is of the following type:**

original
 divisional
 continuation
 continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

***"METHOD AND APPARATUS FOR REDUCING THE INTRINSIC STRESS
OF HIGH DENSITY PLASMA FILMS"***

SPECIFICATION IDENTIFICATION**The specification of which:**

is attached hereto
 was filed on 3/28/96, under Serial No. 08/623,445, executed on even date herewith; or
 Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
 was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.

Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No.:

Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

No such applications have been filed

Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Status</u> <u>Abandoned</u>
-------------------	--------------------	-----------------	----------------	-----------------------------------

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Leslie A. Weise	Registration No. 36,305
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
William L. Shaffer	Registration No. 37,234

Send correspondence to:

Patent Counsel
Applied Materials, Inc.
P.O. Box 450A
Santa Clara, CA 9505s

Direct telephone calls to:

William L. Shaffer
(415) 326-2400

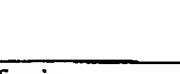
DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: K. V. Ravi

Inventor's signature: 
Residence: Atherton, California
Post Office Address: 89 Fair Oaks Lane
Atherton, CA 94027
U.S.A. Country of Citizenship: U.S.A.

Full name of second inventor: Kent Rossman

Inventor's signature: 
Residence: San Jose, California
Post Office Address: 4850 Lakebird Place
San Jose, CA 95124
U.S.A. Country of Citizenship: U.S.A.

Full name of third inventor: Turgut Sahin

Inventor's signature: _____ Date: _____
Residence: Cupertino, California
Post Office Address: 1110 Chadwick Place
Cupertino, CA 95014
U.S.A. Country of Citizenship: U.S.A.

Full name of fourth inventor: **Pravin Narwankar**

(Declaration ends with this page)

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Atty. Dkt. No. 1126

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TITLE OF INVENTION

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OF HIGH DENSITY PLASMA FILMS"*

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and was amended on _____ (if applicable)
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filed on _____ and as amended under PCT Article 19 on _____

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<u>Country/PCT</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
 Application No:
 Filing date:

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Robert W. Mulcahy	Registration No. 25,436
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Patent Counsel	William L. Shaffer
Applied Materials, Inc.	(415) 326-2400
P.O. Box 450A	
Santa Clara, CA 9505s	

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Inventor's signature: _____ Date: _____
 Residence: Atherton, California
 Post Office Address: 89 Fair Oaks Lane
 Atherton, CA 94027
 U.S.A. Country of Citizenship: U.S.A.

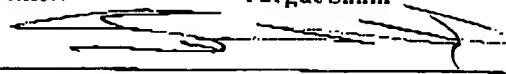
Full name of second inventor: Kent Rossman

Inventor's signature: K. V. Ravi Date: 10-2-96
 Residence: San Jose, California
 Post Office Address: 4850 Lakebird Place
 San Jose, CA 95124
 U.S.A. Country of Citizenship: U.S.A.

Full name of third inventor:

Turgut Sahin

Inventor's signature:



Date: 10/2/96

Residence: Cupertino, California

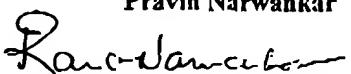
Post Office Address: 1110 Chadwick Place
Cupertino, CA 95014
U.S.A.

Country of Citizenship: U.S.A.

Full name of fourth inventor:

Pravin Narwankar

Inventor's signature:



Date: 10/2/96

Residence: Sunnyvale, California

Post Office Address: 150 Pasito Terrace #612
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: India

(Declaration ends with this page)

SEARCHED INDEXED SERIALIZED FILED



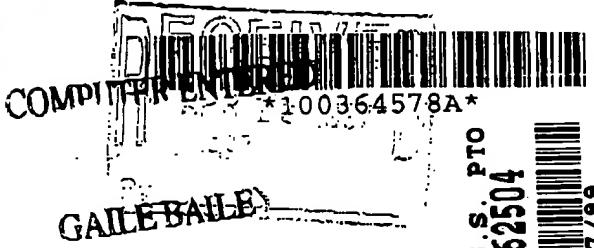
1126

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 04, 1997

PTAS

APPLIED MATERIALS, INC.
 MICHAEL B. EINSCHLAG
 PATENT COUNSEL
 3050 BOWERS AVE., P.O. BOX 450A
 SANTA CLARA, CA 95052



07/27/99
 JC542 U.S. PRO
 09/362504

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/16/1996

REEL/FRAME: 8331/0398

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ROSSMAN, KENT

DOC DATE: 10/09/1996

ASSIGNOR:

SAHIN, TURGUT

DOC DATE: 10/02/1996

ASSIGNOR:

NARWANKAR, PRAVIN

DOC DATE: 10/02/1996

ASSIGNEE:

APPLIED MATERIALS, INC.
 3050 BOWERS AVENUE
 P.O. BOX 450A
 SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 08623445

FILING DATE: 03/28/1996

PATENT NUMBER:

ISSUE DATE:

<p style="text-align: right;">MAIL ROOM</p> <p style="text-align: right;">DKT 1126</p> <p style="text-align: right;">OCT 16 1996</p> <p style="text-align: right;">MKD 10-16-96</p>		<p>RECORDATION</p> <p>PATENT</p>	<p>12-18-1996</p> <p>U.S. DEPARTMENT OF COMMERCE</p> <p>Patent and Trademark Office</p>
<p>To the Honorable Commissioner of Patents and Trademarks: Please</p>			
<p>1. Name of conveying party(ies): <u>EXECUTION DATE</u></p>			
<p>Kent Rossman <u>October 9, 1996</u> Turgut Sahin <u>October 2, 1996</u> Pravin Narwankar <u>October 2, 1996</u></p>			
<p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p>			
<p>Execution Date: <u>SEE ABOVE</u></p>			
<p>4. Application number(s) or patent Number(s): If this document is being filed together with a new application, the execution date of the application is: _____</p>			
<p>A. Patent Application No.(s)</p> <p>Serial No.: 08/623,445 - Filing Date: 3/28/96</p>		<p>B. Patent No.(s)</p> <p><i>ABD 1/27/97</i></p>	
<p>Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Patent Counsel</u> Internal Address: <u>Applied Materials, Inc.</u></p> <p>Street Address: <u>3050 Bowers Ave.</u> <u>P.O. Box 450A</u> City: <u>Santa Clara</u> State: <u>CA</u> ZIP: <u>95051</u></p>		<p>6. Total number of applications and patents involved: <u>1</u></p>	
		<p>7. Total fee (37 CFR 3.41)..... <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	
		<p>8. Deposit account number: <u>01-1651</u></p>	
<p>DO NOT USE THIS SPACE</p> <p><i>Chg 40</i></p>			
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document.</p> <p><u>Michael B. Einschlag</u> Michael B. Einschlag Name of person signing (Reg. No. 29,301)</p>			
<p>10. Total number of pages comprising cover sheet, attachments, and document: <u>3</u></p>			
<p>COMB No. 0651-0011 (exp. 4/94)</p>			

COMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with the required cover sheet information to
Commissioner of Patents & Trademarks Box 3718 Washington
Washington D C 20231

10. Total number of pages comprising cover sheet, attachments, and document: _____

Michael B. Einschlag
Name of person signing
(Reg. No. 29.301)

Signature

Date: 10/10/96

10. Total number of pages comprising cover sheet, attachments, and document: _____

Case #1126

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:****Names and Addresses
of Inventors:**

1)	K. V. Ravi 89 Fair Oaks Lane Atherton, California 94027 U.S.A.	3)	Turgut Sahin 1110 Chadwick Place Cupertino, California 95014 U.S.A.
2)	Kent Rossman 4850 Lakebird Place San Jose, California 95124 U.S.A.	4)	Pravin Narwankar 150 Pasito Terrace #612 Sunnyvale, California 94086 U.S.A.

(hereinafter referred to as Assignors), have invented a certain invention entitled:

**"METHOD AND APPARATUS FOR REDUCING THE INTRINSIC STRESS
OF HIGH DENSITY PLASMA FILMS"**

for which application for Letters Patent in the United States was filed on **March 28, 1996**,
under Serial No. **08/623,445**, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

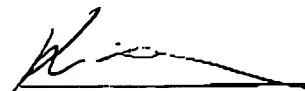
3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 1996

K. V. Ravi



Kent Rossman

2) 10/9/96, 1996



Turgut Sahin

3) 10/2/96, 1996

Pravin Narwankar

4) 10/2/96, 1996

Pravin Narwankar



APRIL 14, 1997

PTAS

APPLIED MATERIALS, INC.
 MICHAEL B. EINSCHLAG
 PATENT COUNSEL
 3050 BOWERS AVE., P.O. BOX 450A
 SANTA CLARA, CA 95052

UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231



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GAILE BAILEY

UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 10/16/1996

REEL/FRAME: 8347/0781
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:
RAVI, K. V.

DOC DATE: 08/26/1996

JC542 U.S. PRO
09/362504
07/27/99

ASSIGNEE:
 APPLIED MATERIALS, INC.
 3050 BOWERS AVENUE
 P.O. BOX 450A
 SANTA CLARA, CALIFORNIA 95051SERIAL NUMBER: 08623445
PATENT NUMBER:FILING DATE: 03/28/1996
ISSUE DATE:SEDLEY PYNE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231



100326532B

JC542 U.S. PRO
 09/362504
 07/27/99

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

APRIL 14, 1997

TO: OFFICE OF FINANCE
 FROM: ASSIGNMENT DIVISION
 OFFICE OF PUBLIC RECORDS
 SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 01-1651
 PROPERTY NUMBER: 08623445

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

SEDLEY PYNE, EXAMINER
 ASSIGNMENT DIVISION
 OFFICE OF PUBLIC RECORDS

TRADEMARK SERVICE FEES: FEE CODE:

RECORDING FIRST MARK	481
RECORDATION SECOND AND	482
SUBSEQUENT MARK IN SAME DOCUMENT	
LABOR CHARGES FOR SERVICES PER HOURS	484
OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 581

AGREEMENT, OTHER PAPER, PER PROPERTY	
LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585



UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231



100326532B

JC542 U.S. PTO
 09/362504
 07/27/99



AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

APRIL 14, 1997

TO: OFFICE OF FINANCE
 FROM: ASSIGNMENT DIVISION
 OFFICE OF PUBLIC RECORDS
 SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

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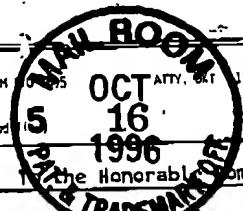
TRADEMARK SERVICE FEES: FEE CODE:

RECORDING FIRST MARK	481
RECORDATION SECOND AND	482
SUBSEQUENT MARK IN SAME DOCUMENT	
LABOR CHARGES FOR SERVICES PER HOURS	484
OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT,	581
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AGREEMENT, OTHER PAPER, PER PROPERTY	
LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585



12-18-1996

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

FORM 1055-95 ATTY. SFT 112A

5 OCT
16
1996

the Honorable Commissioner of Patents

1. Name of conveying party(ies):

K.V. Ravi

Execution Date:

August 26, 1996

100326532

Additional name(s) of conveying party(ies) attached? Yes No

ched original documents or copy thereof

.a and address of receiving party(ies):

Name: APPLIED MATERIALS, INC.

Internal Address: Patent Counsel

Street: 3050 Bowers Avenue

P.O. Box 450A

City: Santa Clara, CA 95051 Country: U.S.A.Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

10-16-96

 Assignment Merger Security Agreement Change of Name

Other _____

Execution Date: SEE ABOVE

4. Application number(s) or patent Number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

Serial No.: DB/623,445 - Filing Date: 3/28/96

B. Patent No.(s)

59158 U.S. PTO

12/17/96

Additional Numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent CounselInternal Address: Applied Materials, Inc.Street Address: 3050 Bowers Ave.P.O. Box 450ACity: Santa Clara State: CA ZIP: 950526. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.61).....\$40.00

 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

01-1651

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document.

Michael B. Einschlag
Name of person signing
(Reg. No. 29,301)

Date: 10/10/96

10. Total number of pages comprising cover sheet, attachments, and document: 3

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 Mail documents to be received with the required cover sheet information to:
 Commissioner of Patents & Trademarks, U.S. Assignments
 Washington, D.C. 20231

1/94

Case #1126

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:****Names and Addresses
of Inventors:**

1)	K. V. Ravi 89 Fair Oaks Lane Atherton, California 94027 U.S.A.	3)	Turgut Sahin 1110 Chadwick Place Cupertino, California 95014 U.S.A.
2)	Kent Rossman 4850 Lakebird Place San Jose, California 95124 U.S.A.	4)	Pravin Narwankar 150 Pasito Terrace #612 Sunnyvale, California 94086 U.S.A.

(hereinafter referred to as Assignors), have invented a certain invention entitled:

**"METHOD AND APPARATUS FOR REDUCING THE INTRINSIC STRESS
OF HIGH DENSITY PLASMA FILMS"**

for which application for Letters Patent in the United States was filed on **March 28, 1996**,
under Serial No. **08/623,445**, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall includ prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) Aug 26 1996

K. V. Ravi



2) _____ 1996

Kent Rossman

3) _____ 1996

Turgut Sahin

4) _____ 1996

Pravin Narwankar